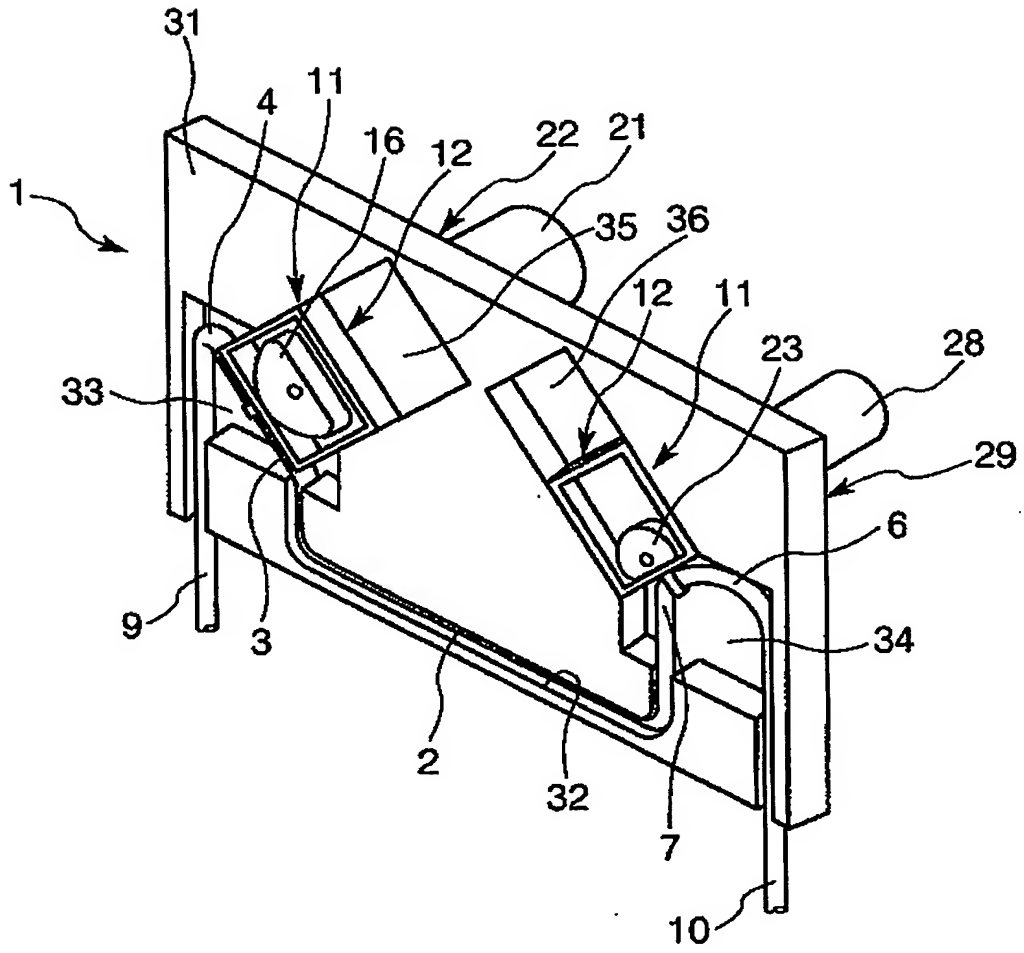

Fig. 1

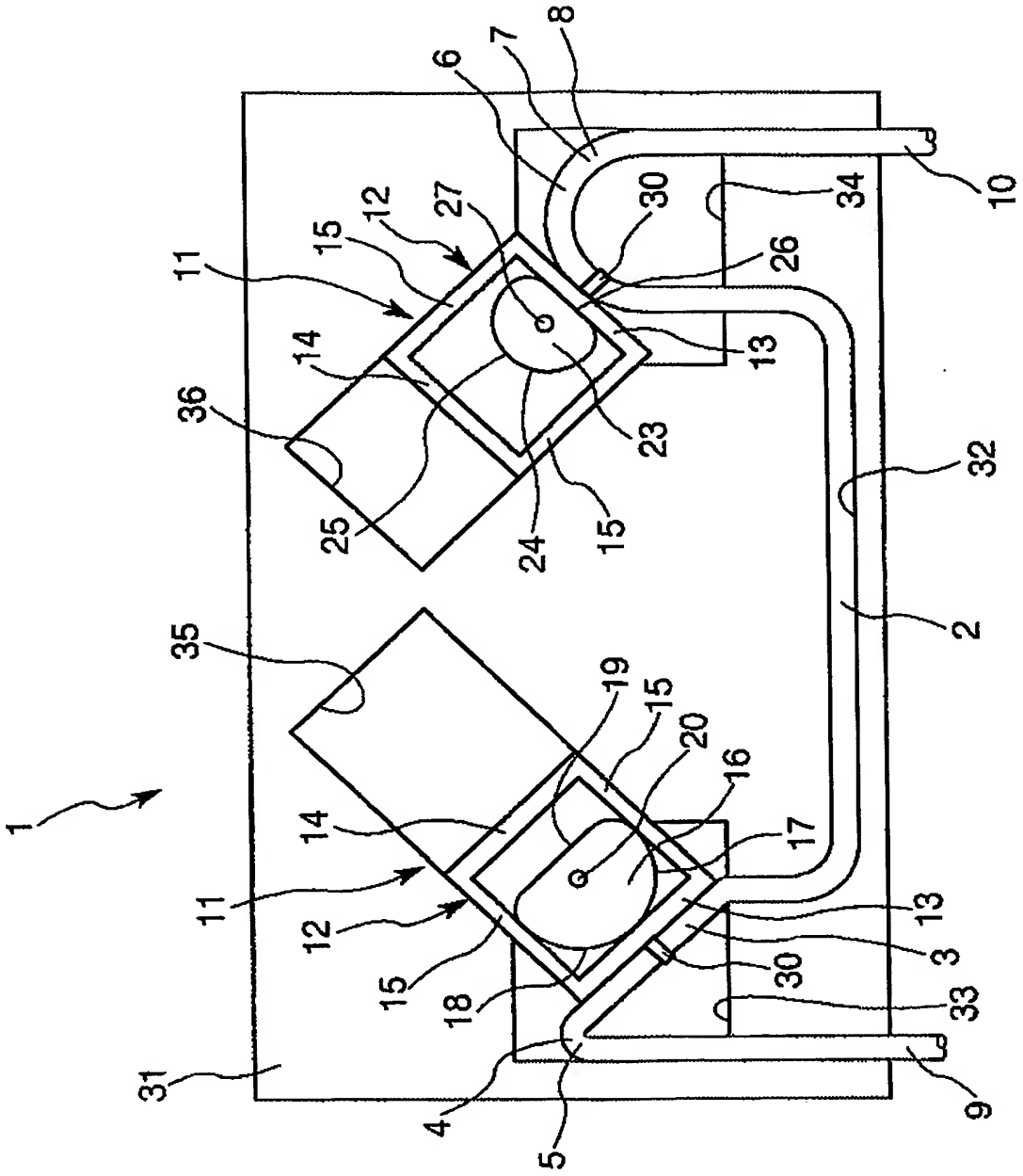
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Fig. 2

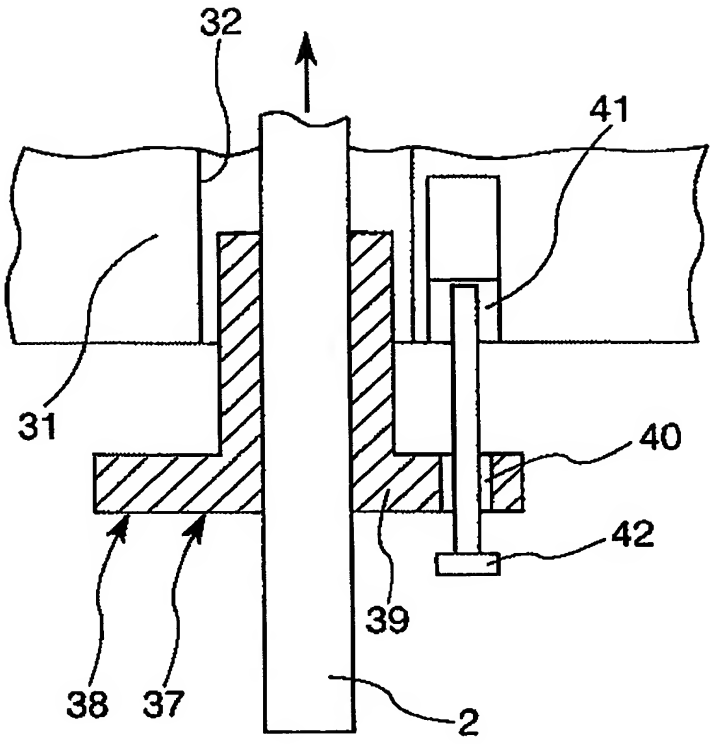
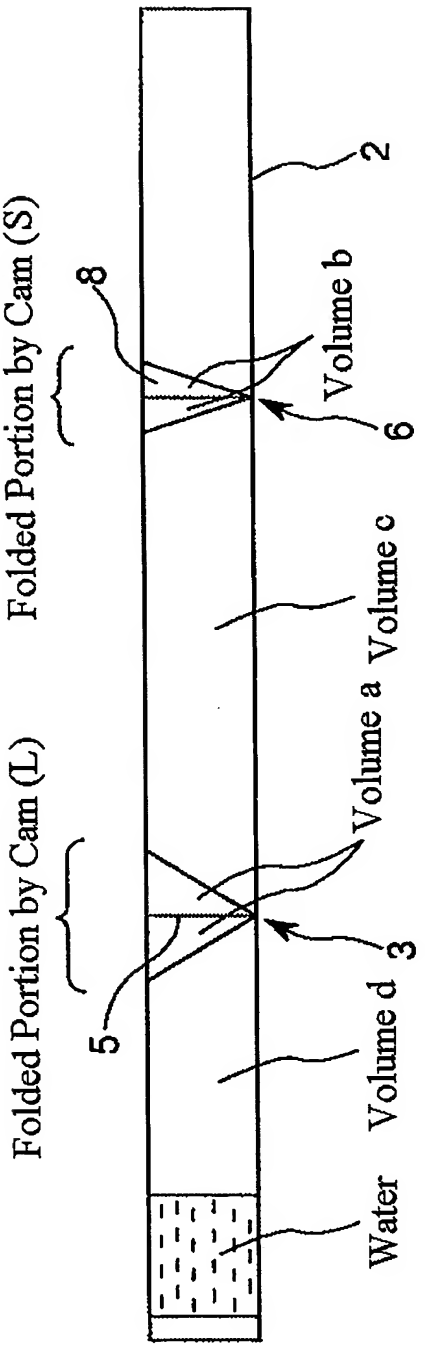


Fig. 3


Folded Portion by Cam (S)
Folded Portion by Cam (L)
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5
2
6
3
Volume b
Volume c
Volume a
Volume d
Water

Fig. 4

Entire State	Folded Portion by Cam (L)	Folded Portion by Cam (S)	Volume between Both Folded Portions	Pressure between Both Folded Portions	Volume between Water and Folded Portion by Cam (L)	Pressure between Water and Folded Portion by Cam (L)
(1) Initial	Open	Close	c-b	1	d	1
(2)	Close	Close	c-a-b	(c-b)/(c-a-b)	d-a	d/(d-a)
(2')	Close	Close	c-a-b	(c-b)/(c-a-b)	d	1
(3)	Close	Open	c-a	1	d	1
(4)	Close	Close	c-a-b	(c-a)/(c-a-b)	d	1
(5)	Open	Close	c-b	(c-a+d)/(c-b+d+a)	d+a	(c-a+d)/(c-b+d+a)
(5')	Open	Close	c-b	1	d-a+b	1
(6)	Close	Close	c-a-b	(c-b)/(c-a-b)	d-2a+b	(d-a+b)/(d-2a+b)
(6')	Close	Close	c-a-b	(c-b)/(c-a-b)	d-a+b	1
(7)	Close	Open	c-a	1	d-a+b	1
(8)	Close	Close	c-a-b	(c-a)/(c-a-b)	d-a+b	1
(9)	Open	Close	c-b	(c-2a+b+d)/(c+d)	d+b	(c-2a+d+b)/(c+d)
(9')	Open	Close	c-b	1	d-2a+2b	1

Fig. 5

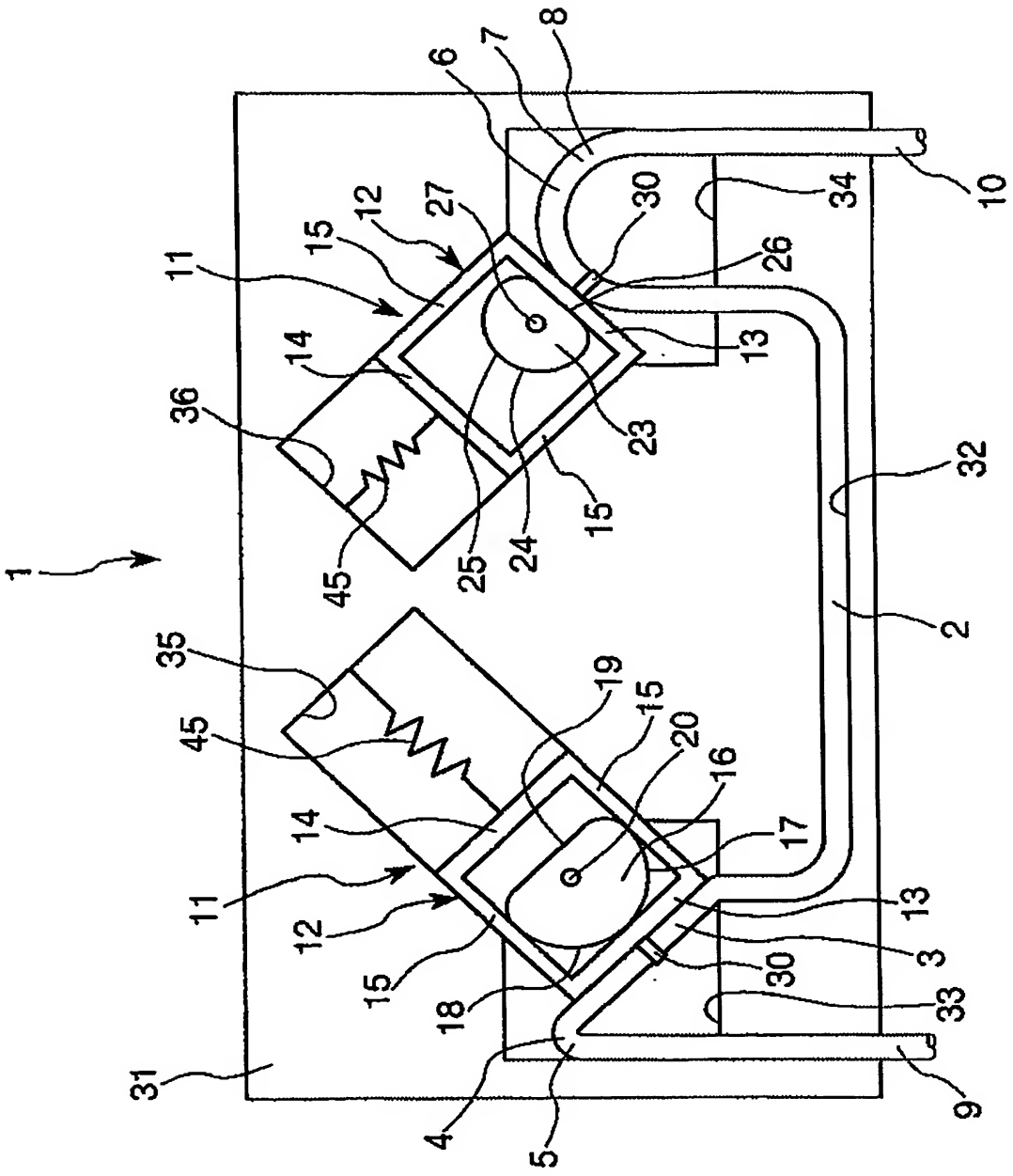
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Fig. 6

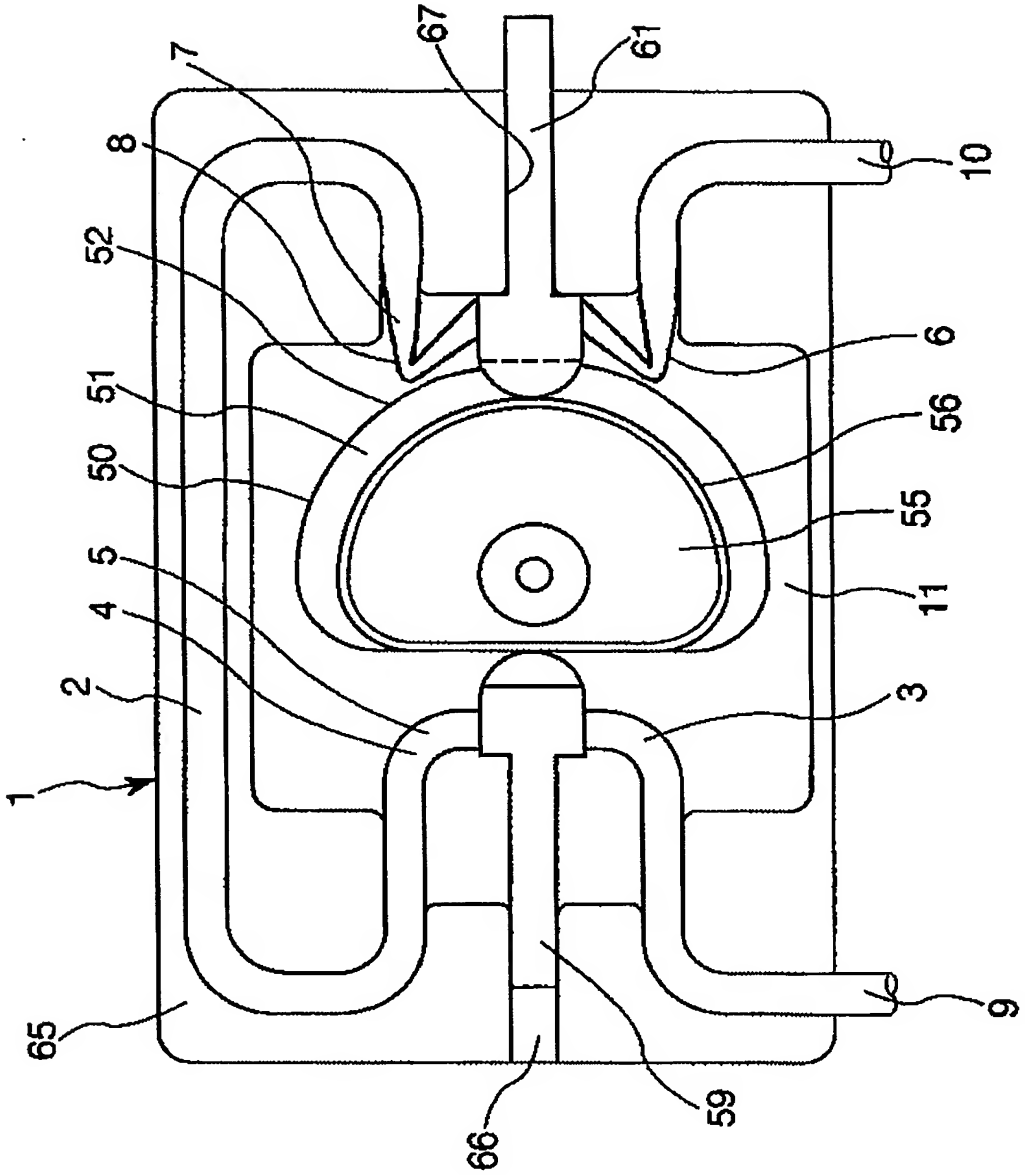

Fig. 7

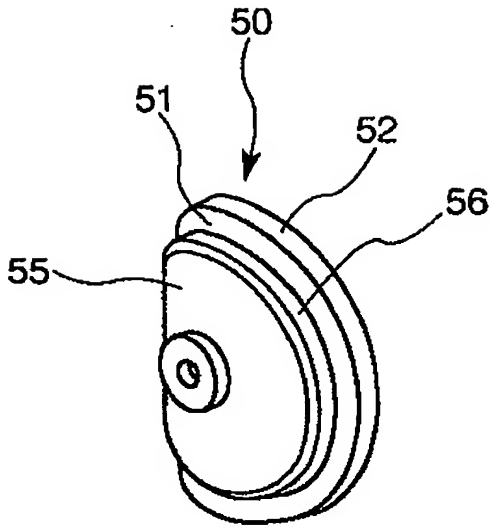

Fig. 8

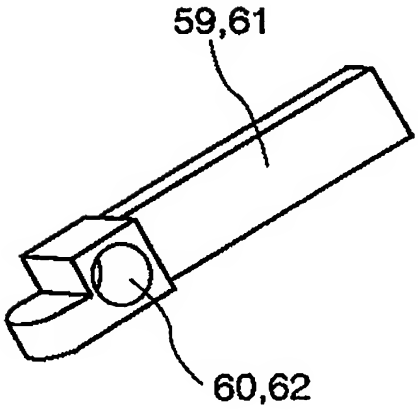

Fig. 9